



**Dimmer Starter Kit  
Model DKIT-04SP**

**Getting Started**



**Simply Automated Pre-Configured SimplySmart™ Series**

Utilizes SimplySmart™ technology to make installation a breeze. No computer programming required! Simple-n-easy, ready to use lighting control.





## Getting Started DKIT-04 Dimmer Starter Kit

### Simply Automated Pre-Configured SimplySmart™ Series

Simple-n-easy, ready to use lighting control. No computer programming required!  
Utilizes SimplySmart™ technology to make installation a breeze.

#### IMPORTANT SAFETY INSTRUCTIONS

When using electrical products, basic safety precautions should always be followed, including the following:

1. READ AND FOLLOW ALL SAFETY INSTRUCTIONS.
2. Installation should be performed by a qualified electrician.
3. Keep away from water. If product comes into contact with water or other liquid, disconnect immediately.
4. Never use products that have been dropped or damaged.
5. Do not use this product outdoors.
6. Do not use this product for other than its intended use.
7. Do not connect multiple lamps that, when combined, exceed the maximum load rating of the product, de-rated for multi-gang boxes.
8. Do not install in areas that can exceed 120°F (e.g., in an attic).
9. To avoid the risk of overheating and possible damage to other equipment, do not use this product to control a receptacle.
10. Do not cover the product with any material when in use.
11. SAVE THESE INSTRUCTIONS.

### DKIT-04 Security Panel Dimmer Starter Kit

Easily Connect Simply Automated Lighting to Any Alarm Panel with Low Voltage or Contact Output Capability. Includes 2 Standard Dimmers and 1 I/O Module with 3 inputs/2 outputs.

## Getting Started

### Section 1: Very Important Pre-Installation Notes

- The security panel will need one or more low voltage or contact closure outputs to interface with the I/O Module.
- Simply Automated dimmers require both a neutral (white) and hot (black) connection.
- Do not use on a 3-way circuit (intended for installation on a circuit controlled by one switch/dimmer).
- Your home should be no more than 2500 square feet and have only one breaker panel. A phase coupler is required in some home installations. See Section 5 for more information.
- Not intended for use in multi-dwelling (condo, apartment, duplex) units.



## Section 2: Installation of the Dimmers and I/O Module

### Section 2.a. Installation of the Dimmers

Locate two switches in your home (i.e. master bedroom, front door, garage entry, or outdoor porch) that turn on/off the lights you would like to control with your security panel and the I/O Module. Replace these switches with the Simply Automated Dimmers. To install the dimmers please refer to the User Guide in the boxes the dimmers came packaged in. Or see [http://simply-automated.com/documents/452-0051-0101\\_RevD\\_US11-40\\_UserGuide\\_090512.pdf](http://simply-automated.com/documents/452-0051-0101_RevD_US11-40_UserGuide_090512.pdf) for installation instructions.

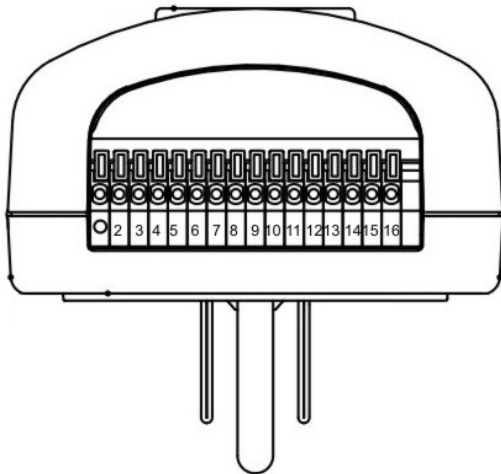
All Simply Automated dimmers operate just like a regular dimmer. Test each dimmer to ensure they are properly installed. Press (tap) the top of each rocker to turn on the circuit. Press (tap) the bottom of the rocker to turn off the circuit.

The dimmers have been programmed from the factory to turn on at 100%. If you would like a different lighting level when the light is off, press and hold the top of the rocker until the desired level is achieved. If you would like a different lighting level when the light is on, press and hold the bottom of the rocker until the desired dim level is achieved, then release. If you are using compact florescent or florescent lighting, you should not attempt to change the dimming level. Florescent lighting cannot be dimmed, can only be turned on at a 100% dim level.

**Important note:** each dimmer has a specific device ID #. You can find the device ID # on the box the dimmer came packaged in and also on the front of each dimmer. One dimmer has device ID #16 and the other has device ID #17. This is important information, it relates to operation with the Input/Output Module and Pocket Programmer (sold separately).

### Section 2.b. Installation of the I/O Module

Locate a 110 VAC power receptacle in (or near) the alarm panel and plug-in the I/O Module. The I/O Module has 3 pre-configured inputs (3 low voltage 4-5VAC/DC or 2 contact closure) to turn on/off the 2 dimmers. Refer to User Guide in box the I/O Module came packaged in or see [http://simply-automated.com/documents/452-0003-0001\\_RevE\\_UMI\\_UserGuide\\_090512.pdf](http://simply-automated.com/documents/452-0003-0001_RevE_UMI_UserGuide_090512.pdf). The discrete low voltage or contact closure trigger outputs of the security panel need to be connected to the proper terminals of the I/O Module.



Input 1: Low Voltage (only), terminals 6 and 7  
Turns on/off first dimmer (#16)

Input 2: Contact, terminals 9 and 10  
OR

Input 2: Low Voltage, terminals 8 and 9  
Turns blinking on/off for all dimmers

Input 3: Contact, terminals 15 and 16  
OR

Input 3: Low Voltage, terminals 14 and 15  
Turns on/off all dimmers

Note: Low voltage inputs are differential (i.e. positive or negative polarity does not matter).



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Pre-Configured Input 1: Low voltage input. Turns on first dimmer (#16) when trigger is enabled. Turns off first dimmer when trigger is disabled. Used for delay entry/exit (lights on for entry, off for exit), arm/disarm acknowledgement, door strike or motion sensor interface. Installer needs to program security panel for each trigger interface. Low voltage wires (provide 0 Volt 'off' or 4-5 Volt 'on' trigger) from security panel connect to input terminals 6/7 of the I/O Module.

Pre-Configured Input 2: Low voltage or contact closure input. Turns on both lights and flashes when triggered is enabled. Turns off lights and stops flashing dimmers when trigger is disabled. Used for fire, intrusion or panic alarms. Installer needs to program security panel for alarm type and trigger. Low voltage wires (provide 0 Volt 'off' or 4-5 Volt 'on' trigger) from security panel connect to input terminals 8/9, or contact closure wires (provide open – 'off' or closed – 'on' trigger) connect to input terminals 9/10 of the I/O module.

Pre-Configured Input 3: Low voltage or contact closure input. Turns on both lights when trigger is enabled. Turns off both lights when trigger is disabled. Used for fire, intrusion or panic alarms. Installer needs to program security panel for alarm type and trigger. Low voltage wires (provide 0 Volt 'off' or 4-5 Volt 'on' trigger) from security panel connect to input terminals 14/15, or contact closure wires (provide open – 'off' or closed – 'on' trigger) connect to input terminals 15/16 of the I/O Module.

Testing the I/O Module and 2 dimmers:

- Input 1: Apply a low voltage source (i.e., 9V DC battery) to input terminals 6/7 of the I/O Module to turn on first dimmer (#16). Disconnect battery or press (tap) the bottom rocker of dimmer to turn off.
- Input 2: Apply a low voltage source (i.e., 9V DC battery) to input terminals 8/9 of the I/O Module to flash both dimmers. For contact closure, apply input (i.e., short circuit with #18 wire) to input terminals 9/10 of the I/O Module. Remove low voltage source, or contact closure source to turn off both dimmers.
- Input 3: Apply a low voltage source (i.e., 9V DC battery) to input terminals 14/15 of the I/O Module to turn on both dimmers. For contact closure, apply input (e.g. short circuit with #18 wire) to input terminals 15/16 of the I/O Module. Remove the low-voltage or contact closure source to turn off both dimmers.

**Important Note:** You will hear a soft buzz when the I/O Module is transmitting a signal to the dimmers. If you hear a buzz, but the controlled dimmers do not turn on/off, see Section 5, Phase Coupler.



### Section 3: Adding Additional Dimmers and Lamp Modules

Simply Automated Pre-Configured SimplySmart™ Series offers simple-n-easy expansion capability. Add up to two additional dimmers or lamp modules to the Security Panel Dimmer Starter Kit. Fully compatible and will interface with the I/O Module and your security panel out of the box! Each accessory dimmer or lamp module added will automatically blink on/off when input 2 of the I/O Module is triggered by the security panel, will go on/off when input 3 is triggered.

#### Lamp Modules



PN: UML7

PN: UML8

#### Dimmers



PN: US1W9

PN: US1W10

**Important Note: only one of each pre-configured accessory PN can be ordered per home installation.**

## Section 4: Adding Lighting Control and Automation

You can have even more lighting power with Simply Automated's pre-configured lighting control kits and accessories. Fully compatible with the I/O Module and your security panel out of the box! Each accessory dimmer or lamp module added will automatically blink on/off when input 2 of the I/O Module is triggered by the security panel, will go on/off when input 3 is triggered.

Create your own special lighting scenes (i.e., reading, dining, entertaining) with our 4-button scene controllers. Push a button to turn on one light or a grouping of lights. Or push a button to turn on all lights on, push a button to turn all lights off. Manually edit (add or delete) a dimmer or lamp module from any button. Simple-n-easy one touch button control.

### Tabletop Controller

With 4-button scene control



PN: US2TP11

### Deluxe Dimmer

With 4-button scene control



PN: US2W12

### Dimmer Starter Kit (PN: DKIT-01)

Includes 2 dimmers and deluxe dimmer with 4-button scene control



### Lamp Starter Kit (PN: DKIT-02)

Includes 2 lamp modules and tabletop controller with 4-button scene control



**Important Note: only one of each pre-configured accessory PN can be ordered per home installation.**

### Section 5: Using the Pocket Programmer (sold separately)

If you plan to do multiple installations, we highly recommend you purchase a Pocket Programmer (Model # UPP-20). The Pocket Programmer is a very powerful and simple tool for the dealer or installer.



1. Network ID. Each device in the pre-configured series has the same network ID (250). The Pocket Programmer can be used to change the network ID in the pre-configured series to provide a unique ID for each installation, an important security feature. This will also prevent potential 'cross-chatter' with a neighbor's lighting system.
2. Links. Each input has a defined link. Input 1 has been assigned link 66 (on/off for one device), Input 2 has been assigned link 65 (blinking on/off for all devices), Input 3 has been assigned link 64 (on/off for all devices). All pre-configured accessory dimmers and lamp modules will automatically work with Inputs 2 and 3.
3. Testing Signal Strength and Noise. In some cases, there may be noise (interference) issues on the powerline from other electrical devices in the home that might interfere with the operation of the lighting system. You can quickly test for any noise on your system by doing a noise check.
4. Computer Interface Module. The Pocket Programmer can be used as a computer interface module with your PC using a serial connection. With UPStart software (available at [http://www.simply-automated.com/products/sa\\_upstart.htm](http://www.simply-automated.com/products/sa_upstart.htm)), you have a powerful tool for custom installations.

To learn more about the Pocket Programmer and how it can be used go to [http://www.simply-automated.com/products/sa\\_UPP.htm](http://www.simply-automated.com/products/sa_UPP.htm)

### Section 6: In Case of a Problem

Phone: 760-431-2100 Ext..138 Monday-Friday 8AM-5PM (Pacific Time) for assistance.

**Phase Coupler:** If you have tested the rockers for each dimmer, they work, but the buttons do not turn on all three dimmers, the circuits in your home may be out of phase. All homes have a 220V feed to the main panel box, where the 220V is separated into 110V in two phases, an A and B. You will need to install a phase coupler, see [http://simply-automated.com/products/sa\\_zpc.htm](http://simply-automated.com/products/sa_zpc.htm) for more details.

Model #	Description
ZPCI-P30A	Plug-In Inverting Phase Coupler, fits a standard (NEMA 10-30) 220VAC clothes dryer outlet
ZPCI-W	Wire-in Inverting Phase Coupler
ZPCI-B	Breaker Panel Inverting Phase Coupler

**Installation Wiring Connection:** The Pre-Configured SimplySmart™ Series requires both a hot (black) and neutral (white) wire for dimmer installation. If the switch you plan to replace has only one hot wire (no neutral), you will need to utilize a Fixture Dimming Module (Model PN: UFD-30) from Simply Automated Custom Expansion Series, using UPStart software, a PC and Computer Interface Module (PN: UMC-USB).

## **Section 7: Simply Automated Custom Expansion Series**

Powerful Custom Expansion Capability using your PC, Computer Interface Module (PN: UMC-USB) and UPStart software – up to 250 devices! Devices include single rocker dimmers, deluxe dimmers with different faceplates (up to 8 buttons), lamp or appliance modules, tabletop pedestal with 8 buttons, wall receptacle, fixture relay, fixture dimmer or scheduler-timer. Control lighting and 120VAC appliances, heaters, fans, motors or pumps. Programmable dimming rates (1 second, 5 second, up to 4 hours). Energy saving countdown timer function. Lighting control for your entire home! Visit [www.simply-automated.com](http://www.simply-automated.com).

